

From: [Bob Sussman](#)
To: [Jeanne Briskin](#)
Cc: [Ramona Trovato](#)
Subject: Re: Fw: Horizontal Wells
Date: 04/20/2012 10:27 AM
Attachments: [CHK Letter - Horizontal Wells.pdf](#)
[CHK Review - Tech Memo.pdf](#)

Thanks Jeanne. (b) (5) If there are any problems, let me know and I'll step in with Paul.

Robert M. Sussman
Senior Policy Counsel to the Administrator
Office of the Administrator
US Environmental Protection Agency

▼ Jeanne Briskin---04/19/2012 07:24:49 PM---(b) (5)

From: Jeanne Briskin/DC/USEPA/US
To: Bob Sussman/DC/USEPA/US@EPA
Cc: Ramona Trovato/DC/USEPA/US@EPA
Date: 04/19/2012 07:24 PM
Subject: Re: Fw: Horizontal Wells

(b) (5)

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The details are:

Mike Overbay and Doug Beak (the principal investigators) had a call with Chris Hill and Bert Smith of Chesapeake yesterday afternoon. They went over the letter from Stephanie and were all in agreement on the main issues, which are:

1. We both agree that *if* the ground water velocity allows for using off-pad wells, we will do so.
2. We will install the under-pad wells, if necessary, after the gas well is drilled, and before the fracking.
3. They insist EPA be financially liable for any damages caused by our drilling activities. We agreed that our attorneys will provide information on EPA being self insured, and the requirements for our contractors for liability insurance.
4. The big point they were concerned about was their statement we agree to an anti-collision policy and stay 30 feet from the well-bore (we had requested 15 feet). We indicated 30 feet was an acceptable restriction distance to Doug and I, and that we would recommend approval of that, but did not understand what their "anti-collision policy" was, but Chris felt the 30 foot distance was the important part, so it appears that is not an issue.

5. The requested a plugging and abandonment plan consistent with Oklahoma Water Resources Board requirements, which we agreed to provide, subject to caveats we will include about possible future revisions.
6. If we do use horizontal wells, they want us to include their concerns in the report. Doug and I said we could recommend that a summary of their concerns be included, but since the report won't be done for several years, we can't commit to including anything specific at this time.

We did not talk about the tech memo they provided due to time constraints.

We asked about their progress on an access agreement, which they indicated they have not completed.

We asked about the status of their proposal to collect the site hydrogeologic data on ground water flow themselves. They have not moved forward with contracting that, but have put together a proposed scope that is more elaborate than we discussed in OK City. They estimate the cost at up to \$150K, including the drilling of a deep well and logging it. They will not use the USGS because of high costs, but will use a commercial logging contractor.

Chris indicated they had not moved forward in seeking funding from upper management for this task because they were waiting to resolve the issues in the letter with us. Chris indicated the single biggest concern was the 30 foot restricted zone, and that since we were agreeable to that, they could probably move forward, but it would still need more details on the scope of work to be worked out with us before it could be contracted.

At this point, Doug and Mike need to provide the availability for our field staff, and information about what we want to do as far as oversight and our own sampling. Chris is supposed to provide us the list of activities in the current proposal for field work they have put together.

(b) (5)

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▼ Bob Sussman---04/16/2012 06:26:55 PM--- (b) (5)

Robert M. Sussman Senior Policy Counsel to the Administrator

From: Bob Sussman/DC/USEPA/US
To: Jeanne Briskin/DC/USEPA/US@EPA
Cc: Ramona Trovato/DC/USEPA/US@EPA
Date: 04/16/2012 06:26 PM
Subject: Re: Fw: Horizontal Wells

(b) (5)

Robert M. Sussman
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US Environmental Protection Agency

▼ Jeanne Briskin---04/16/2012 03:58:52 PM---here is what Chesapeake sent us.
We'll follow up with Stephanie. Jeanne Briskin Office of Science

From: Jeanne Briskin/DC/USEPA/US
To: Bob Sussman/DC/USEPA/US@EPA
Cc: Ramona Trovato/DC/USEPA/US@EPA
Date: 04/16/2012 03:58 PM
Subject: Fw: Horizontal Wells

here is what Chesapeake sent us. We'll follow up with Stephanie.

Jeanne Briskin
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----- Forwarded by Jeanne Briskin/DC/USEPA/US on 04/16/2012 03:57 PM -----

From: Ramona Trovato/DC/USEPA/US

To: Jeanne Briskin/DC/USEPA/US@EPA
Cc: Fred Hauchman/DC/USEPA/US@EPA
Date: 04/13/2012 10:35 AM
Subject: Fw: Horizontal Wells
Sent by: Dorothy Miller

Hi Jeanne,

I want to make sure that you have a copy of these letters from Chesapeake.

Cheers

Dotti

----- Forwarded by Dorothy Miller/DC/USEPA/US on 04/13/2012 10:34 AM -----

From: Stephanie Timmermeyer <stephanie.timmermeyer@chk.com>
To: Ramona Trovato/DC/USEPA/US@EPA
Cc: John Satterfield <john.satterfield@chk.com>
Date: 04/12/2012 04:09 PM
Subject: Horizontal Wells

Ramona:

Please accept my apologies for the delay in this information and share that sentiment with your team. Regardless, we have been working diligently and moving full speed ahead otherwise with landowner access issues and further site characterization. Please call me at any time to discuss – Steph
Also – I left a vm on your office phone.

Thank you,

Stephanie R. Timmermeyer

Director - Federal Regulatory Affairs

Chesapeake Energy Corporation

Mobile: (304) 941-9879

E-mail: Stephanie.Timmermeyer@chk.com



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Center at
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